



NIT-302

#8A
4/4/03
2/13/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

M. SHIRAI et al

Serial No. 09/942,718

Group Art Unit: 2828

Filed: August 31, 2001

Examiner: D. Flores Ruiz

For: MODULE FOR OPTICAL COMMUNICATIONS

AMENDMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated October 7, 2002,
Applicants respond as follows.

IN THE SPECIFICATION

Page 17, replace the sole paragraph with:

Fig. 4 illustrates a graph showing a relation between a laser chip temperature and an optical power. A curve 200 shows a semiconductor laser chip using an InGaAlAs- MQW and a curve 201 shows a semiconductor laser chip using an InGaAsP - MQW. Actually, as shown in Fig. 4, the output power less decreases in this invention even when the temperature of the laser active layer is high. Thus, the chip temperature and the environment temperature of the chip can be elevated to a higher temperature during operation of the module. "During

FEB 07 2003

PATENT

Case Docket No. NIT-302

In RE application of M. SHIRAI et al

Serial No.: 09/942,718

Group Art Unit: 2828

Filed: August 31, 1901

Examiner: D. Flores Ruiz

For: MODULE FOR OPTICAL COMMUNICATIONS

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is an Amendment in the above-identified application.

- ☐ Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted.
- ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.
- ☐ No additional fee is required.

The fee has been calculated as shown below:

(COL. 1)		(COL. 2)		(COL. 3)
	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra
Total	* 14	Minus	** 20	= 0
Indep.	* 3	Minus	*** 3	= 0
<input type="checkbox"/> First Presentation of Multiple Dependent Claims				

SMALL ENTITY	
Rate	Additional Fee
x 9	\$
x 42	\$
+ 140	\$
Total	\$

OTHER THAN A SMALL ENTITY	
Rate	Additional Fee
x 18	\$ 0
x 84	\$ 0
+ 280	\$ 0
Total	\$ 0

- * If the entry in Col. 1 is less than the entry in Col. 2, write '0' in Col. 3.
- ** If the 'Highest Number Previously Paid For' IN THIS SPACE is less than 20, write '20' in this space.
- *** If the 'Highest Number Previously Paid For' IN THIS SPACE is less than 3, write '3' in this space.
- The 'Highest Number Previously Paid For' (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior Amendment or the number of claims originally filed.

- ☐ Please charge my Deposit Account No. 50-1417 in the amount of \$_____.
- ☒ A check in the amount of \$ 110.00 is attached in payment of:
Extension of Time fee.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-1417.
- ☒ Any filing fees under 37 CFR 1.16 for the presentation of extra claims.
- ☒ Any patent application processing fees under 37 CFR 1.17.
- ☒ Any Extension of Time fees that are necessary, which are hereby requested if necessary.

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Date: February 7, 2003

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